

Notice of Allowability**Application No.**

10/568,666

Examiner

WILLIAM M. TREAT

Applicant(s)

SATO, TOMOYOSHI

Art Unit

2181

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the paper filed on 10/5/2011.
2. ☒ An election was made by the applicant in response to a restriction requirement set forth during the interview on 07 November 2011; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are 1, 4-9, 11-26, and 28.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date ____.
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 11/7/2011.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

/WILLIAM M. TREAT/
Primary Examiner, Art Unit 2181

1. Newly submitted claims 30-34 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: Applicant's original claims were for a genus with generic inputs and outputs while applicant's new claims 30-34 are for a species requiring a specific type of input data (i.e., a logic operation element).

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 30-34 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

2. Authorization for this examiner's amendment was given in a telephone interview with Thomas K. Stine on 11/7/2011.

3. Delete claims 30-34.

4. In claim 26, line 1, change "A recording" to "A computer program product comprising a recording".

5. The following is an examiner's statement of reasons for allowance: Based on applicant's arguments in the paper filed on 10/5/2011 that the amendment to his independent claims, as supported by paragraphs [075] and [082] of his specification, distinguishes over the prior art and that Snyder's programmable digital circuit blocks are physically connected while applicant's divided circuits are virtually connected (i.e., the divided circuits are mapped spatially and/or temporally divided to the other divided circuits on the logic circuit region. Therefore, timing closure issues are solved for each

divided circuit, and the boundary conditions for each divided circuit includes information of timing control of inputting data.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

/WILLIAM M. TREAT/

Primary Examiner, Art Unit 2181